

Polaris Pall

Full Stack Developer

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Summary

Full stack developer with hands-on experience building and deploying web applications across Python, JavaScript/TypeScript, and modern frameworks. Proficient with backend systems (Django, REST APIs), databases (PostgreSQL, MySQL), and infrastructure (Docker, Linux, Nginx). Comfortable working across the entire stack from frontend to database to production deployment. Currently studying Computer Science.

Skills

Languages & Runtime

- Python, JavaScript (ES6), TypeScript, C#, Java, Bash, Dart, Lua

Backend & Frameworks

- Django (REST API design, authentication, ORM, migrations)
- Node.js (async patterns, event-driven code)
- .NET (async/await, dependency injection)

Databases

- PostgreSQL (schema design, query optimization, migrations)
- MySQL, SQLite

Frontend

- React (functional components, hooks, state management)
- Tailwind CSS, HTML5/CSS3, Webflow

Infrastructure & DevOps

- Docker, Docker Compose (multi-stage builds, containerization)
- Nginx (reverse proxy, SSL/TLS, load balancing)
- AWS (EC2, RDS, Elastic Beanstalk)
- CI/CD workflows, automated testing, deployment pipelines

Linux & Systems

- Distributions: Arch Linux, Ubuntu, Debian, Linux Mint
- systemd (service management, timers, journald logging)
- Shell scripting: Bash, cron jobs, regex
- Networking & firewall: SSH, iptables, ufw, TCP/IP
- Tools: tmux, fzf, lsblk, netstat, ss

Version Control & Tools

- Git (branching, rebasing, PR workflows, cherry-picking)
- GitHub, MCP (Chrome MCP), lazygit, neogit
- Neovim (Lua config), tmux, SSH

Other

- Game Development (Unity, C#), Mobile (Flutter), Testing (pytest), Zapier

Professional Experience

Frontend Developer | Phzio

January 2025 – Present

- Built and maintained UI components for healthcare platform using Webflow
 - Automated internal workflows and integrations using Zapier for operational efficiency
 - Collaborated with development team on feature implementation and design feedback
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Projects

Portfolio Website

Django, Docker, Caddy, AWS EC2, SQLite

Built a full-stack portfolio website showcasing projects and technical work. Designed modular Django architecture with content-driven models allowing editorial updates through Django admin without template changes. Containerized application using Docker and Docker Compose for local development and production parity. Deployed to AWS EC2 running Debian with Caddy reverse proxy for automatic HTTPS and Let's Encrypt certificate renewal. Configured Cloudflare for DNS management. Used Gunicorn as application server. Hosted at polarispall.com.

Game Development

Unity, C#

Built 2D platformer games with procedural generation for dynamic level creation. Implemented core gameplay systems including physics integration (gravity, collision detection, rigidbody dynamics), player input handling, and game state management. Designed game architecture using component-based patterns to organize code and systems. Optimized rendering and memory usage for consistent performance. Integrated animation systems and audio playback.

Homelab Infrastructure

Linux, Docker, Nginx, Bash, Systemd

Built and maintain personal server infrastructure running multiple containerized applications. Designed Docker images and Docker Compose for service orchestration. Configured Nginx reverse proxy for routing and SSL/TLS termination. Created systemd service units for application lifecycle management and automatic startup on boot. Implemented firewall rules with ufw for network security. Automated system maintenance using cron jobs for backups and log rotation.

Education

Currently studying Computer Science